

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|---|--|------------------|---------|---------------------|
| S167  | 3    | "3656928".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/12<br>13:45 |
| S168  | 311  | forehearth with refin\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>09:33 |
| S169  | 1445 | forehearth with melt\$3   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>09:33 |
| S170  | 324  | forehearth with melt\$3 and glass and refin\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>10:52 |
| S171  | 304  | forehearth with (melt or melting or melted) and glass and refin\$4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>10:54 |
| S172  | 3223 | refin\$4 with ("11"\$2 or C or F or degree) and glass and (furnace or melt\$4) with ("13"\$2 or C or F or "12"\$2 or "11"\$2 or degree) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>11:03 |
| S173  | 2959 | refin\$4 with (11!! or C or F or degree) and glass and (furnace or melt\$4) with (13!! or C or F or 12!! or 11!! or degree)             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>11:04 |
| S174  | 410  | refin\$4 with (11!!) and glass and (furnace or melt\$4) with (13!! or 12!! or 11!!)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2011/01/13<br>11:05 |

|      |      |   |   |     |    |                  |
|------|------|---|---|-----|----|------------------|
| S175 | 60   | refin\$4 with (11!!) with (degree or C or F or K) and glass and (furnace or melt\$4) with (13!! or 12!! or 11!!) with (degree or C or F or K)                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:06 |
| S176 | 31   | refin\$4 with ("11"??) with (degree or C or F or K) and glass and (furnace or melt\$4) with ("13"?? or "12"?? or "11"??) with (degree or C or F or K)                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:14 |
| S177 | 21   | (tank or forehearth or refin\$4) with ("11"??) near (degree or C or F or K) and glass and (furnace or melt\$4) with ("13"?? or "12"?? or "11"??) near (degree or C or F or K) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:16 |
| S178 | 541  | (tank or forehearth or refin\$4) with ("11"?? or "10"?? or "9"?? or "8"??) near (degree or C or F or K) and glass   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:22 |
| S179 | 6454 | glass and (furnace or melt\$4) with ("13"?? or "12"?? or "11"?? or "10"??) near (degree or C or F or K)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:23 |
| S180 | 85   | S178 and S179   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 11:24 |
| S181 | 4705 | glass and (melt\$4) with ("13"?? or "12"?? or "11"?? or "10"??) near (degree or C or F or K)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 14:26 |
| S182 | 69   | S178 and S181   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 14:27 |

|      |      |   |   |     |    |                  |
|------|------|---|---|-----|----|------------------|
| S183 | 660  | glass and (melt\$4) with ("20"?? or "19"?? or "18"??) near (degree or F)  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:06 |
| S184 | 352  | glass and (melt\$4) with ("23"?? or "22"?? or "21"??) near (degree or F)  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:09 |
| S185 | 67   | (fining or forehearth or refin\$4) with ("14"?? or "15"?? or "16"??) near (degree or F) and glass                     | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:11 |
| S186 | 112  | (fining or forehearth or refin\$4) with ("17"?? or "18"?? or "19"?? or "20"?? or "21"??) near (degree or F) and glass | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:11 |
| S189 | 41   | (S183 or S184) and (S185 or S186)   | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:14 |
| S190 | 5334 | glass and (furnace or melt\$4) with ("13"?? or "12"?? or "11"?? or "10"??) near (degree or C)                         | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:14 |
| S191 | 154  | (fining or forehearth or refin\$4) with ("11"?? or "10"?? or "9"?? or "8"??) near (degree or C) and glass             | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:15 |
| S192 | 87   | (S183 or S184 or S190) and (S185 or S186 or S191)   | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:16 |
| S193 | 36   | "578632"  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:36 |
| S196 | 4    | "3260587".pn.   | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/13 15:58 |
| S198 | 7996 | receiving tank  | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:55 |

|      |      |   |   |     |    |                  |
|------|------|---|---|-----|----|------------------|
| S199 | 762  | receiving tank and glass  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:56 |
| S200 | 1344 | (receiving or tank or furnace) with ("9"?? or "1000") near (degree or C) and glass                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:58 |
| S202 | 660  | glass and (melt\$4) with ("20"?? or "19"?? or "18"??) near (degree or F)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S203 | 352  | glass and (melt\$4) with ("23"?? or "22"?? or "21"??) near (degree or F)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S204 | 67   | (fining or forehearth or refin\$4) with ("14"?? or "15"?? or "16"??) near (degree or F) and glass                     | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S205 | 112  | (fining or forehearth or refin\$4) with ("17"?? or "18"?? or "19"?? or "20"?? or "21"??) near (degree or F) and glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S206 | 5334 | glass and (furnace or melt\$4) with ("13"?? or "12"?? or "11"?? or "10"??) near (degree or C)                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S207 | 154  | (fining or forehearth or refin\$4) with ("11"?? or "10"?? or "9"?? or "8"??) near (degree or C) and glass             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S208 | 87   | (S202 or S203 or S206) and (S204 or S205 or S207)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |
| S209 | 87   | S208  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 09:59 |

|      |      |   |  |     |    |                     |
|------|------|---|--|-----|----|---------------------|
| S210 | 9    | S200 and S209   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:30 |
| S211 | 145  | (receiving or utilization or utilizing or storing or using or cooling) with (tank or furnace) with ("9"?? or "1000") near (degree or C) and glass                                       | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:32 |
| S212 | 145  | (receiving or utilization or utilizing or storing or using or cooling) with (tank or furnace or forehearth) with ("9"?? or "1000") near (degree or C) and glass                         | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:35 |
| S213 | 146  | ((receiving or utilization or utilizing or storing or using or cooling) with (tank or furnace) or forehearth) with ("9"?? or "1000") near (degree or C) and glass                       | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:36 |
| S214 | 3727 | (receiving or utilization or utilizing or storing or using or cooling or tank or furnace or forehearth) with ("9"?? or "1000") near (degree or C) and glass                             | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:38 |
| S215 | 1661 | (receiving or utilization or utilizing or storing or using or cooling or tank or furnace or forehearth) with ("9"?? or "1000") near (degree or C) and glass and (forehearth or furnace) | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>10:38 |

|      |      |  |   |     |    |                  |
|------|------|--|---|-----|----|------------------|
| S216 | 1476 | (receiving or utilization or utilizing or storing or using or cooling holding or tank or furnace or forehearth) with ("9"?? or "1000") near (degree or C) and glass and (forehearth or furnace)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:41 |
| S217 | 1684 | (receiving or utilization or utilizing or storing or using or cooling or holding or tank or furnace or forehearth) with ("9"?? or "1000") near (degree or C) and glass and (forehearth or furnace) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:41 |
| S218 | 8    | S209 and S217  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:42 |
| S220 | 1921 | condition\$3 and forehearth  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:48 |
| S221 | 170  | condition\$3 with tank and forehearth  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:50 |
| S222 | 12   | condition\$3 near tank and forehearth  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 10:51 |
| S223 | 3    | "4415349".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 11:20 |
| S224 | 834  | (boron oxide or "B.<br>sub.2O.sub.3") and glass and enamel   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:33 |
| S225 | 0    | (boron oxide or "B.<br>sub.2O.sub.3") and glass and enamel (silica or silicon or "SiO. <sub>2</sub> ")   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:34 |

|      |       |  |   |     |    |                  |
|------|-------|--|---|-----|----|------------------|
| S226 | 15855 | (boron oxide or "B. sub.2O.sub.3") and glass and (silica or silicon or "SiO.sub.2")  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:34 |
| S227 | 2347  | (boron oxide or "B. sub.2O.sub.3") same acid and glass and (silica or silicon or "SiO.sub.2")                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:34 |
| S228 | 1380  | (boron oxide or "B. sub.2O.sub.3") with acid and glass and (silica or silicon or "SiO.sub.2")                                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:34 |
| S229 | 101   | (boron oxide or "B. sub.2O.sub.3") with acid with resist\$4 and glass and (silica or silicon or "SiO. sub.2")                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:35 |
| S230 | 103   | (boron oxide or "B. sub.2O.sub.3") with acid with resist\$4 and glass and (silica or silicon or "SiO. sub.2" or SiO2)        | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:36 |
| S231 | 149   | (boron oxide or "B. sub.2O.sub.3" or B2O3) with acid with resist\$4 and glass and (silica or silicon or "SiO.sub.2" or SiO2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 12:36 |
| S232 | 778   | frit.ti. and (mix\$3 or homogeneous or homogeneity or uniform) with glass  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 13:46 |
| S233 | 37    | frit.ti. and color with (mix\$3 or homogeneous or homogeneity or uniform) with glass   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 13:46 |
| S234 | 115   | frit.ti. and (homogeneous or homogeneity or uniform) with glass  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 13:48 |
| S235 | 3     | "4994099".pn.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | ADJ | ON | 2011/01/14 15:50 |

|      |     |   |                                      |     |    |                     |
|------|-----|---|--------------------------------------|-----|----|---------------------|
| S236 | 160 | (US-20050005646-\$ or US-20060105899-\$ or US-20080276652-\$ or US-20090176639-\$ or US-20080256981-\$ or US-20100064732-\$).did. or (US-1449793-\$ or US-1486992-\$ or US-1611328-\$ or US-1919264-\$ or US-1924752-\$ or US-2226498-\$ or US-2268546-\$ or US-2303657-\$ or US-2433883-\$ or US-2429432-\$ or US-2439192-\$ or US-2478645-\$ or US-2860449-\$ or US-3015842-\$ or US-3019275-\$ or US-3172648-\$ or US-3429684-\$ or US-3446638-\$ or US-3457059-\$ or US-3462538-\$ or US-3476538-\$ or US-3486874-\$ or US-3499743-\$ or US-3563722-\$ or US-3721432-\$ or US-3877917-\$).did. or (US-4004902-\$ or US-4007027-\$ or US-4047920-\$ or US-4059425-\$ or US-4059423-\$ or US-4062667-\$ or US-4149868-\$ or US-4194077-\$ or US-4374660-\$ or US-4376170-\$ or US-4390638-\$ or US-4400473-\$ or US-4632687-\$ or US-4634461-\$ or US-4738938-\$ or US-4752314-\$ or US-4816056-\$ or US-4831633-\$ or US-4877449-\$ or US-4921521-\$ or US-5039631-\$ or US- | US PGPUB; USPAT; USOCR; EPO; DERWENT | ADJ | ON | 2011/01/14<br>16:11 |
|------|-----|---|--------------------------------------|-----|----|---------------------|

6029475-\$ or US-  
6237369-\$ or US-  
6357264-\$ or US-  
6816235-\$ or US-  
7296441-\$ or US-  
7454925-\$).did. or  
(US-2492523-\$ or US-  
2923636-\$ or US-  
3046433-\$ or US-  
3663192-\$ or US-  
3923533-\$ or US-  
3836373-\$ or US-  
4021253-\$ or US-  
3652303-\$ or US-  
3734701-\$ or US-  
4000998-\$ or US-  
4070198-\$ or US-  
4631080-\$ or US-  
4106946-\$ or US-  
3790430-\$ or US-  
4196004-\$ or US-  
5091345-\$ or US-  
4358304-\$ or US-  
4988376-\$ or US-  
6348425-\$ or US-  
6810689-\$ or US-  
4026714-\$ or US-  
5630860-\$ or US-  
3716222-\$ or US-  
4203761-\$ or US-  
4781171-\$ or US-  
5259863-\$ or US-  
3170781-\$).did. or  
(US-2718096-\$ or US-  
3224855-\$ or US-  
3248205-\$ or US-  
3260587-\$ or US-  
3606825-\$ or US-  
3627504-\$ or US-  
5340372-\$ or US-  
5678236-\$ or US-  
6871514-\$ or US-  
6883349-\$ or US-  
7578988-\$ or US-  
1941778-\$ or US-  
1953023-\$ or US-  
3897234-\$ or US-  
4427429-\$ or US-  
4820328-\$ or US-  
3663245-\$ or US-  
3760051-\$ or US-  
6460376-\$ or US-  
5417732-\$ or US-  
4504302-\$ or US-  
4375369-\$ or US-

3997710-\$ or US-  
5262363-\$ or US-  
4312951-\$ or US-  
4355115-\$ or US-  
4376169-\$).did. or  
(US-4436829-\$ or US-  
4464421-\$ or US-  
4994099-\$).did. or  
(US-1654817-\$ or US-  
1941779-\$ or US-  
1999762-\$ or US-  
2068925-\$ or US-  
2226498-\$ or US-  
2300427-\$ or US-  
2688469-\$ or US-  
2936549-\$ or US-  
3269820-\$ or US-  
3151966-\$ or US-  
3248205-\$ or US-  
3764287-\$ or US-  
3170781-\$ or US-  
2718096-\$ or US-  
3224855-\$ or US-  
3260587-\$ or US-  
3606825-\$ or US-  
3627504-\$ or US-  
1596058-\$ or US-  
1611328-\$ or US-  
1941778-\$ or US-  
1953023-\$ or US-  
3244495-\$ or US-  
3203816-\$ or US-  
1904957-\$ or US-  
3195030-\$).did. or  
(US-3492136-\$ or US-  
3429684-\$ or US-  
2923636-\$ or US-  
3024121-\$ or US-  
3024120-\$ or US-  
3094423-\$ or US-  
3291621-\$ or US-  
3330638-\$ or US-  
3057175-\$ or US-  
3445255-\$).did. or  
(WO-2004013056-\$).  
did. or (WO-9935099-\$ or WO-9937591-\$  
or WO-0248612-\$ or  
US-20040168474-\$  
or EP-145350-\$ or  
CN-101172775-\$ or  
JP-63147843-\$).did.

|      |      |  |  |     |    |                     |
|------|------|--|--|-----|----|---------------------|
| S237 | 45   | S236 and bubbles                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>16:11 |
| S238 | 4    | "3420653".pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>16:12 |
| S239 | 1077 | boron with viscosity<br>and glass                  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>16:30 |
| S240 | 157  | boron with reduc\$4<br>with viscosity and<br>glass | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2011/01/14<br>16:30 |

**EAST Search History (Interference)**

< This search history is empty>

1/14/2011 5:23:18 PM

C:\ Documents and Settings\croyston\ My Documents\ EAST\ Workspaces\ 10522723.wsp